

IN THE CLAIMS:

1. (Amended) A method for dynamically allocating signal processing resources in a wireless multichannel broadband base station (BBS) for a cellular communications network, said method comprising the steps of:

A1  
SCB  
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determining a number of pooled available channel processor (CP) resources which are unused in said BBS, said BBS supporting a plurality of cells, each said CP processing any of a plurality of traffic channels contained on any frequency channel assigned to said BBS;

in response to notification of a call originating from or to a subscriber in any of said plurality of cells, determining if said number of available CP resources of said BBS is at least one;

selecting any of said available CP resources for processing of said call; and

assigning said call to said available CP resource which has been selected.

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8. (Amended) A resource management system for dynamically allocating signal processing resources in a wireless multichannel broadband base station (BBS) for a cellular communications network, comprising:

A2  
means for determining a number of available pooled channel processor (CP) resources which are unused in said BBS, said BBS supporting a plurality of cells, each said CP processing any of a plurality of traffic channels contained on any frequency channel assigned to said BBS;

means responsive to notification of a call originating from or to a subscriber in any of said plurality of cells for determining if said number of available CP resources is at least one;

means for selecting any of said available CP resources for processing of said call; and

means for assigning said call to said available CP resource which has been selected.